

## Proposal Full View

### Applicant Information

Organization Name  \*  
 Tax ID **952082591**  
 Proposal Name Main San Gabriel Basin Data  
 Management Platform and  
 Integrated Groundwater Surface  
 Water Model \*  
 Proposal Objective Upper San Gabriel Valley Municipal Water District seeks to obtain  
 funding to develop a Main SGB Data Management Platform, a web-  
 based database management system (DMS) and the Main SGB  
 Integrated Groundwater Surface Water Model (IGSM). \*

### Budget

Other Contribution	<input type="text" value="\$0.00"/>	
Local Contribution	<input type="text" value="\$0.00"/>	
Federal Contribution	<input type="text" value="\$0.00"/>	
Inkind Contribution	<input type="text" value="\$0.00"/>	
Amount Requested	<input type="text" value="\$242,760.00"/>	*
Total Project Cost	<input type="text" value="\$242,760.00"/>	*

### Geographic Information

Latitude *	DD(+/-)	<input type="text" value="34"/>	MM	<input type="text" value="6"/>	SS	<input type="text" value="36"/>
Longitude *	DD(+/-)	<input type="text" value="117"/>	MM	<input type="text" value="58"/>	SS	<input type="text" value="18"/>
Longitude/Latitude Clarification	Location					
County	Los Angeles *					
Ground Water Basin	San Gabriel Valley					
Hydrologic Region	South Coast					
Watershed	Los Angeles River and San Gabriel River					

### Legislative Information

Assembly District	44th Assembly District, 49th Assembly District, 57th Assembly District, 58th Assembly
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Senate District

District,59th Assembly District \*

21st Senate District,24th Senate District,29th Senate District,30th Senate District \*

US Congressional District

District 26 (CA),District 29 (CA),District 32 (CA),District 38 (CA),District 39 (CA),District 42 (CA) \*

## Project Information

Project Name

Main SG Basin Data Management Platf

Implementing Organization	Upper San Gabriel Valley Municipal Water District
Secondary Implementing Organization	San Gabriel Basin Watermaster
Proposed Start Date	4/15/2013
Proposed End Date	9/30/2014
Project Scope	Upper District will develop a Main SGB Data Management Platform and create an Integrated Groundwater Surface Water Model.
Project Description	<p>Upper District will develop a Main SGB Data Management Platform (DMS) and create an Integrated Groundwater Surface Water Model (IGSM). The DMS is a web-based database management system for storing, retrieving, displaying, analyzing, exporting, and reporting groundwater elevation and water quality, and well data on a Google-Map based platform. The IGSM is a new integrated water resources model that will serve as an analytical tool for the quantification of the regional water budget, planning and analysis of conjunctive use management strategies, design and evaluation of specific water supply projects, evaluation of groundwater recharge and banking operations, evaluation of recycled water and storm water projects, evaluation of flood control studies, and development of financing mechanisms and cost sharing arrangements among parties in the Main SGB. The Main San Gabriel Basin is facing exceedingly complicated challenges, requiring a more refined understanding of the Basin as well as mechanisms to improve the coordination between the multiple entities that share management responsibilities for the Basin. By developing the DMS and creating the IGSM, they will 1) improve coordination and collaboration among Basin stakeholders to increase Basin</p>

	yields, improve operating efficiency, and help control the costs of groundwater replenishment; 2) Create and maintain a complete single database of groundwater basin information and an efficient mechanism for sharing groundwater basin data with stakeholders; 3) Provide a tool that more accurately models the dynamics of the groundwater basin including surface flows and the movement of contaminants.
Project Objective	Upper District seeks to obtain funding to develop a Main SGB Data Management Platform, a web-based database management system and the Main SGB Integrated Groundwater Surface Water Model.

### Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Groundwater-Water Supply Enhancement	250000	The benefit will be attained through the preparation of a Main San Gabriel Basin Data Management Platform, a web-based database management system (DMS) and the Main San Gabriel Basin Integrated Groundwater Surface Water Model (IGSM).
			The benefit will be attained through the preparation

Primary	Water Storage -- Groundwater-Water Quality Improvement	250000	of a Main San Gabriel Basin Data Management Platform, a web-based database management system (DMS) and the Main San Gabriel Basin Integrated Groundwater Surface Water Model (IGSM).
Primary	Water Storage -- Surface-Water Supply Enhancement	250000	The benefit will be attained through the preparation of the Main San Gabriel Basin Integrated Groundwater Surface Water Model (IGSM).

## Project Objective

**Budget**

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="0"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="242760"/>
Total Project Cost	<input type="text" value="242760"/>

**Geographic Information**

Latitude DD(+/-)	<input type="text" value="34"/>	MM	<input type="text" value="6"/>	SS	<input type="text" value="36"/>
Longitude DD(+/-)	<input type="text" value="117"/>	MM	<input type="text" value="58"/>	SS	<input type="text" value="18"/>

Longitude/Latitude  
Clarification

USGS Quad

Location

Main San Gabriel C

County Los Angeles Ground Water Basin San Gabriel Valley Hydrologic Region South Coast WaterShed  
Los Angeles River and San Gabriel River

## Legislative Information

Assembly District	44th Assembly District,49th Assembly District,57th Assembly District,58th Assembly District,59th Assembly District
Senate District	21st Senate District,24th Senate District,29th Senate District,30th Senate District
US Congressional District	District 26 (CA),District 29 (CA),District 32 (CA),District 38 (CA),District 39 (CA),District 42 (CA)

## Section : Applicant Information and Question's Tab

### APPLICANT INFORMATION AND QUESTION'S TAB

#### Q1. Applicant Information

**Provide the agency name, address, city, state, and zip code of the applicant submitting the application.**

Upper San Gabriel Valley Municipal Water District; 602 E. Huntington Drive, Suite B; Monrovia, CA 91016; (626) 443-2297

#### Q2. Proposal Description:

**Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.**

Upper District will develop a Main San Gabriel Basin Data Management Platform (DMS) and create an Integrated Groundwater Surface Water Model (IGSM). The DMS is a web-based database management system for storing, retrieving, displaying, analyzing, exporting, and reporting groundwater elevation and water quality, and well data on a Google-Map based platform. The IGSM is a new integrated water resources model that will serve as an analytical tool for the quantification of the regional water budget, planning and analysis of conjunctive use management strategies, design and evaluation of specific water supply projects, evaluation of groundwater recharge and banking operations, evaluation of recycled water and storm water projects, evaluation of flood control studies, and development of financing mechanisms and cost sharing arrangements among parties in the Main San Gabriel Basin (Basin). The Basin is facing exceedingly complicated challenges, requiring a more refined understanding of the Basin as well as mechanisms to improve the coordination between the multiple entities that share management responsibilities for the Basin. By developing the DMS and creating the IGSM, they will 1) improve coordination and collaboration among Basin stakeholders to increase Basin yields, improve operating efficiency, and help control the costs of groundwater replenishment; 2) Create and maintain a complete single database of groundwater basin information

and an efficient mechanism for sharing groundwater basin data with stakeholders; 3) Provide a tool that more accurately models the dynamics of the groundwater basin including surface flows and the movement of contaminants. This proposed project is directly relevant to many of the Basin management responsibilities mandated for the Watermaster and documented in the Basin's GWMP (see Att. 3). The Watermaster basin management responsibilities include: 1) Manage and control the withdrawal and replenishment of water supplies in the basin. The proposed project will allow more accurate predictions of replenishment needed to meet withdrawal requirements and will assist with more accurately identifying and implementing replenishment projects. 2) Determine annually the Operating Safe Yield for the succeeding fiscal year, and notify the pumpers of their shares thereof. The proposed project will provide a more accurate estimate of the Operating Safe Yield. 3) Acquire and spread replacement water as needed. The proposed project will allow for better management of replenishment operations which will reduce costs for acquiring additional water from either imported or recycled water sources. 4) Coordinate local involvement in efforts to preserve and restore the quality of groundwater in the basin. The proposed project will create a system that directly links multiple parties using common tools and access to a more complete range of data and will assist with more accurately identifying and implementing groundwater clean-up projects. 5) Assist and encourage regulatory agencies to enforce water quality regulations affecting the basin. The proposed project will improve both the quality and efficiency of communication with USEPA on clean-up activities by consolidating information into a single system with a helpful user interface, modeling and reporting system. 6) Collect production, water quality, and other relevant data from producers. The proposed project will create a system that will simplify the collection and management of data from pumpers. To accomplish this, the proposed project consists of two major elements: Development of a basin-wide Data Management Platform and development of an Integrated Groundwater Surface Water Model. Both of these systems will be developed in collaboration with key stakeholders in the Basin and will be maintained going forward by the Watermaster. Each of these proposed systems and the processes for developing them are described in Attachment 4.

### **Q3. Project Director:**

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Shane Chapman; General Manager; Upper San Gabriel Valley Municipal Water District; 602 E. Huntington Drive, Suite B; Monrovia, CA 91016; Email: shane@usgvmwd.org; Phone: (626) 443-2297; Fax: (626) 443-0617

### **Q4. Project Manager:**

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Reymundo Trejo; Assistant General Manager; Upper San Gabriel Valley Municipal Water District; 602 E. Huntington Drive, Suite B; Monrovia, CA 91016; Email: reymundo@usgvmwd.org; Phone: (626) 443-2297; Fax: (626) 443-0617

### **Q5. Additional Information:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☐ South Central Region
- 4) ☒ Southern Region

#### **Q6. Additional Information:**

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

Upper San Gabriel Valley Municipal Water District's legal boundaries are within the San Gabriel Valley and overlie the Main San Gabriel Basin (Basin). The Basin has been adjudicated and management of the local groundwater resources within the Basin is based on the adjudication. In order to bring about an adjudication of water rights in the Basin, a complaint was filed in the Superior Court of the State of California (Case 3924128, Upper San Gabriel Valley Municipal Water District, Plaintiff vs. City of Alhambra, et. al., Defendants). The Main Basin Judgment was entered on January 4, 1973 and is provided in Attachment 3.

#### **Q7. Additional Information:**

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

The proposed Project is in an area within Upper San Gabriel Valley Municipal Water District's service area overlying the Basin. The proposed Project will allow Upper District to meet it's responsibilities as described within the Main Basin Judgment. Upper San Gabriel Valley Municipal Water District is identified in the Main Judgment as a "Responsible Agency" for the delivery of Supplemental Water to replenish the Basin. Supplemental water is water derived as "non tributary water imported through a Responsible Agency and reclaimed water". Management of the Basin is predicated on the long-term reliable supply of Supplemental Water. Consequently, as a Responsible Agency, Upper San Gabriel Valley Municipal Water District is helping to ensure reliable Supplemental Water supplies by developing projects to reduce dependence on increasingly expensive imported water supplies, including the use of recycled water to replenish the Basin. The Main Basin Judgment established the Main Basin Watermaster to administer the Basin's adjudicated water rights and to provide a basin-wide governing body for management of water resources. Upper San Gabriel Valley Municipal Water District and the Main Basin Watermaster will collaborate to implement the project under the terms of the Main Basin Judgment.

#### **Q8. Additional Information**

**Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

No Other Contributions

#### **Q9. Eligibility:**

**List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.**

Upper San Gabriel Valley Municipal Water District; Reymundo Trejo; Email: reymundo@usgvmwd.org; Phone: (626) 443-2297. Upper San Gabriel Valley Municipal Water District has completed and attached (See Attachment 10) the self certification forms for compliance with AB 1420 and CWC 525 et seq. (Water Meter Implementation requirements).

#### **Q10. Eligibility:**

**Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.**

Upper San Gabriel Valley Municipal Water District has submitted a completed 2010 Urban Water Management Plan (UWMP) to DWR. DWR is in receipt and is currently reviewing the completeness of Upper San Gabriel Valley Municipal Water District's 2010 UWMP.

#### **Q11. Completeness Check:**

**Have all of the fields in the application been completed?**

Yes

#### **Q.11. Completeness Check (cont)**

**If no, please explain. If yes, answer this question with "NA".**

NA

### **Section : Application Attachments Tab**

#### **APPLICATION ATTACHMENTS TAB**

##### **Attachment 1. Authorizing Documentation**

**Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att1\_LGA12\_USGVMWD\_AuthDoc\_1of1.pdf

##### **Attachment 2. Eligible Applicant Documentation**

**Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att2\_LGA12\_USGVMWD\_EligDoc\_1of1.pdf

**Attachment 3. Status of GWMP**

**Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att3\_LGA12\_USGVMWD\_GWMP\_1of1.pdf

**Attachment 4. Project Description**

**Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att4\_LGA12\_USGVMWD\_ProjD\_1of1.pdf

**Attachment 5. Work Plan**

**Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att5\_LGA12\_USGVMWD\_WrkPln\_1of1.pdf

**Attachment 6. Budget**

**Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att6\_LGA12\_USGVMWD\_BUDGET\_1of1.pdf

**Attachment 7. Schedule**

**Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att7\_LGA12\_USGVMWD\_SCHED\_1of1.pdf

**Attachment 8. Quality Assurance**

**Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att8\_LGA12\_USGVMWD\_QA\_1of1.pdf

**Attachment 9. Past Performance**

**Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att9\_LGA12\_USGVMD\_PERFORM\_1of1.pdf

**Attachment 10. AB1420 and Water Meter Implementation Compliance**

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att10\_LGA12\_USGVMWD\_1420\_1of1.pdf

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